BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Construction of Culvert and SSM Secondary Nala from Seenappa Garden to Singapura Paradise Rajakaluve in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.**

			Estimate Cost:						1500000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 150/ Item No. 19.1/ PWD SR 2012-13**	Cum							
	Desilting of Drains								
	SSB Drain		1	160.00	0.60	0.35	33.60		
	For Culvert		1	7.00	2.00	1.05	14.70		
	SSM Drain new		1	30.00	2.00	1.05	63.00		
	SSM Drain for SWD		1	35.00	2.00	1.05	73.50		
	RCC Drain at Sai Garden		1	20.00	2.20	1.50	66.00		
							250.80	58.32	**14627.00**
	Basic Rate	54.00							
	Area Weightage @8%	4.32							
	Total	**58.32**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2012-13**	Cum							
	For Culvert		1	7.00	1.80	0.15	1.89		
	For SSM Drain		1	30.00	2.00	0.15	9.00		
	SSM Drain for SWD		1	35.00	2.00	0.15	10.50		
			1	160.00	0.60	0.15	14.40		
	New RCC Drain		1	20.00	2.00	0.15	6.00		
							41.79	3812.82	**159338.00**
	Basic Rate	3597.00							
	Area Weightage @ 6%	215.82							
	Total	**3812.82**							

I. o.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
3	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2012-13 (P.25/I.5.6)**	Cum							
	For Culvert		2	7.00	0.60	0.90	7.56		
	For SSM Drain		2	30.00	0.75	0.90	40.50		
	SSM Drain for SWD		2	35.00	0.75	0.90	47.25		
							95.31	2710.42	**258330.00**
	Basic Rate	2557.00							
	Area Weightage @ 6%	153.42							
	Total	**2710.42**							
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.26/I.5.9) PWD SR 2012-13**	Cum							
	For SSM Drain		2	30.00	0.45	0.90	24.30		
	Raising of Exising Drain		1	160.00	0.60	1.00	96.00		
	SSM Drain for SWD		2	35.00	0.45	0.90	28.35		
							148.65	3164.10	**470343.00**
	Basic Rate	2985.00							
	Area Weightage @ 6%	179.10							
	Total	**3164.10**							
5	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 120/ Item No. 15.3 / PWD SR 2012-13**	Sqm							
			2	160.00		1.60	512.00		
			2	35.00		2.00	140.00		
							652.00	70.28	**45821.00**
	Basic Rate	66.30							
	Area Weightage @ 6%	3.98							
	Total	**70.28**							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
6	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2012-13**	Cum							
			2	160.00	0.60	0.10	19.20		
			2	35.00	0.45	0.10	3.15		
							22.35	4327.98	**96730.00**
	Basic Rate	4083.00							
	Area Weightage @ 6%	244.98							
	Total	**4327.98**							
7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, llets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13/ ITem No. 4.11 PWD SR - 2012-13**	Cum							
			1	7.00	1.80	0.23	2.90		
	RCC Drain at Sai Garden Bottom		1	20.00	2.00	0.20	8.00		
	Side Walls		2	20.00	0.23	1.20	11.04		
	Covering Slab		1	20.00	2.00	0.23	9.20		
							31.14	5142.06	**160113.00**
	Basic Rate	4851.00							
	Area Weightage @ 6%	291.06							
	Total	**5142.06**							
8	KSRB 4.9.1: Providing **mild steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.45 PWD SR 2012-13**	Qntl							
	For Roof, @ 100 Kg / Cum		1.00	31.14			31.14		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							2.61	7690.30	20058.00
	Basic Rate	7255.00							
	Area Weightage @ 6%	435.30							
	Total	**7690.30**							
9	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2012-13**	Sqm							
			1	7.00	0.60		4.20		
			2	1.80		0.25	0.90		
			2	7.00		0.25	3.50		
							8.60	244.08	2099.00
	Basic Rate	226.00							
	Area Weightage @ 8%	18.08							
	Total	**244.08**							
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum					408.93	72.71	29732.00
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
11	Miscellaneous and other Charges	**L/S**							2532.00
								Total	**1500000.00**

(Rs. Fifteen Lakhs Only)

ADMINISTRATIVELY SANCTIONED FOR Rs... Rupees Fifteen lakh heads 3.1.14 Under 2012-13 P.177 Registered as EE ( ) No 3...9... Subject to conditions contained in enclosed memo EE ( ) No 755 /9... Dt 7-1-13 JC Adn dated 7-1-13 Estimate Administrative Sanction No 755/12-13 Rs 15.00 lakh

Technical Sanction for Rs 15.00 lakh (Rupees Fifteen lakh only) under 2012-13 Limit to 38312 Vide Item No. 1 P.177 Registered as EE No: 391 / 12-13 Subject to conditions contained enclosed memo. No: 391 / 12-13 Dt. 10-1-13 AE/JE EE (BTP. Div.)

Chief Commissioner (Yelahanka Zone) BBMP, Bengaluru-92. 7/1/13

CERTIFICATE:

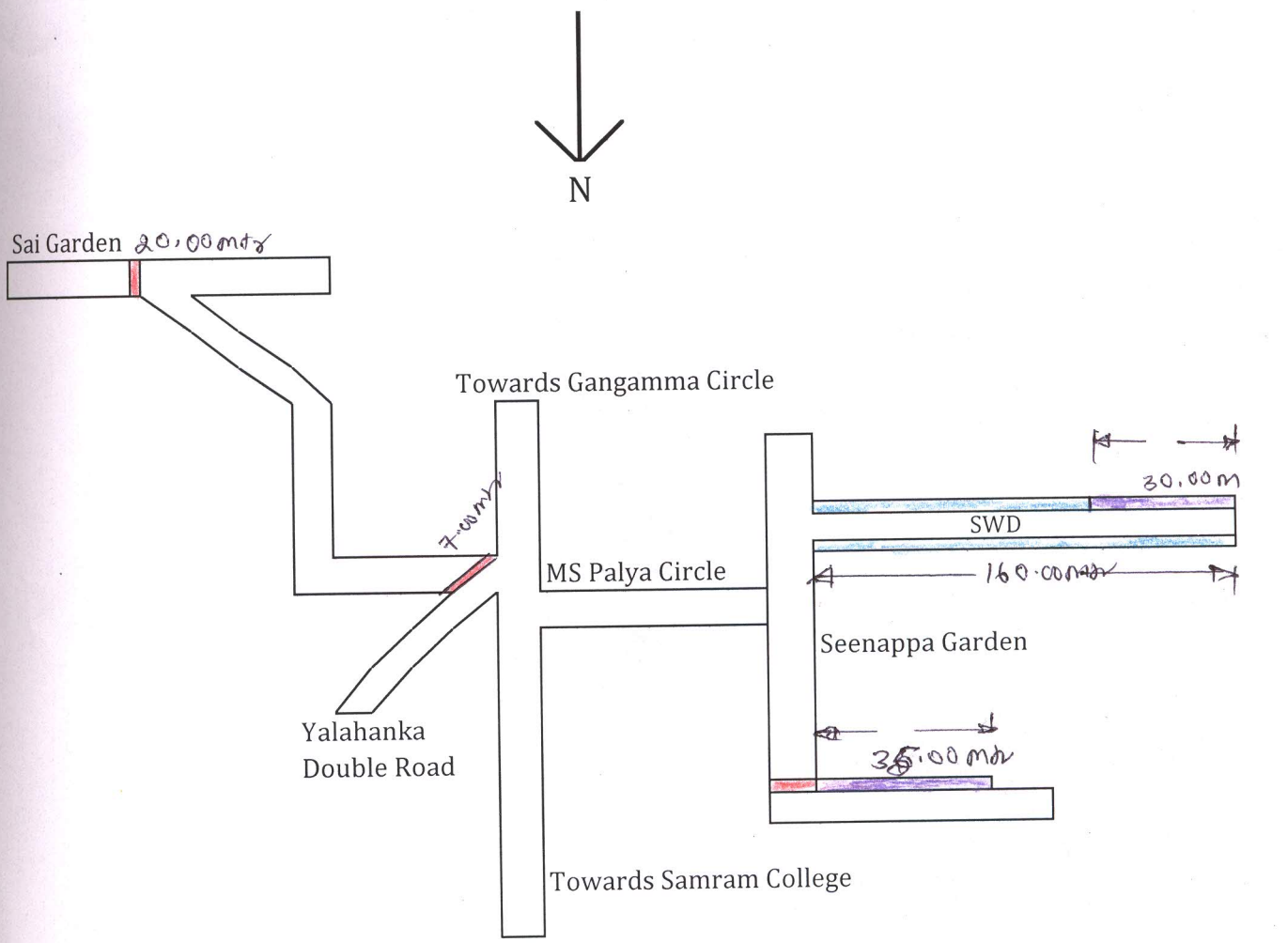
1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2012-13.
3 This work included under 2012-13 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Sketch Showing the Work of Construction of Culvert and SSM Drain Secondary Nala from Seenappa Garden to Singapura Paradise Rajakaluve in Ward No. 11 (Kuvempunagara), Vidyarnyapura Sub Division.



- SSM Drain New
- Culvert
- Existing SSM Drain Rising